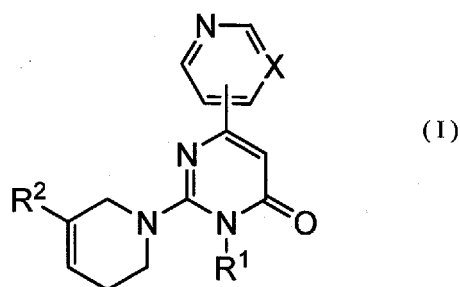


Amendments to the Claims

The following listing

1. (Currently Amended) A pyrimidone compound derivative represented by formula (I) or a salt thereof, ~~or a solvate thereof or a hydrate thereof~~:



wherein X represents CH or nitrogen atom;

R¹ represents a C₁-C₁₂ alkyl group which may be substituted;

R² represents a C₁-C₈ alkyl group which may be substituted, a benzene ring which may be substituted, a naphthalene ring which may be substituted, an indan ring which may be substituted, a tetrahydronaphthalene ring which may be substituted, or an optionally substituted heterocyclic ring having 1 to 4 hetero atoms selected from the group consisting of oxygen atom, sulfur atom, and nitrogen atom, and having 5 to 10 ring-constituting atoms in total.

2. (Currently Amended) The pyrimidone compound derivative or the salt thereof, ~~or the solvate thereof or the hydrate thereof~~ according to claim 1, wherein R¹ is methyl group.

3. (Currently Amended) The pyrimidone compound derivative or the salt thereof, ~~or the solvate thereof or the hydrate thereof~~ according to claim 1, wherein the heterocyclic ring at R² is a group selected from a furan ring, a benzofuran ring, a thiophene ring, a benzothiophene ring, a benzisoxazole ring, and a 1H-indazole ring.

4. (Currently Amended) A pyrimidone compound derivative which is selected from the ~~group consisting of~~:

2-(5-phenyl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-methoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-

pyrimidin-4-one; 2-[5-(4-methoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-bromophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-fluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-fluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,4-difluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-chlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-chlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,4-dichlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,6-dimethoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-trifluoromethylphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(benzisoxazole-3-yl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-benzyl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-biphenyl-2-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-thiophen-3-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-thiophen-2-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-fluorophenoxymethyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-pyrrolidinylcarbonylphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-phenyl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-methoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-methoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-bromophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-fluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-fluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,4-difluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-chlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-chlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,4-dichlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,6-dimethoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-trifluoromethylphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(benzoxazole-3-yl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-(5-benzyl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-(5-biphenyl-2-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-(5-thiophen-3-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H- pyrimidin-4-one;

2-(5-thiophen-2-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H- pyrimidin-4-one;

2-[5-(4-fluorophenoxymethyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-pyrrolidinylcarbonylphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6- pyrimidin-4-yl-3H-pyrimidin-4-one;

and salts ~~or a salt thereof, or a solvate thereof or a hydrate thereof.~~

5. (Currently Amended) A medicament composition comprising as an active ingredient a substance selected from ~~the group consisting of~~ the pyrimidone compound derivative represented by formula (I) ~~and or a salt thereof, and a solvate thereof and a hydrate thereof~~ according to claim 1 and a pharmaceutical excipient.

6-10. (Canceled)

11. (New) A method for treating of Alzheimer Disease, comprising:
administering the medicament composition according to claim 5 to a patient in need thereof.

12. (New) A method for treating of rheumatoid arthritis, comprising:
administering the medicament composition according to claim 5 to a patient in need thereof.

13. (New) A method for treating of a disease caused by cerebral tau protein kinase 1 hyperactivity, comprising:
administering the medicament composition according to claim 5 to a patient in need thereof.